CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/SLE/W.No.14/2017-18 Date : 19.12.2017

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **M/s. Shri Lakshmi Enterprises,** Bangalore
Name of Work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.
Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017
Date of Testing : 19.12.2017
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	174	3.5	3.5	96.5	95-100
10	2836	56.7	60.2	39.8	25-55
4.75	1654	33.1	93.3	6.7	0-10

Note:

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

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Job No.: CQCE/BBMP/SLE/W.No.14/2017-18 Date: 20.12.2017

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **M/s. Shri Lakshmi Enterprises,** Bangalore
Name of Work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.
Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017
Sample Identification : 8mm,10mm,12mm,16mm, Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 20.12.2017

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.39	538	546	14
2	Fe 500	10	0.62	549	559	15.5
3	Fe 500	12	0.88	566	568	16.5
4	Fe 500	16	1.59	575	576	17

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Authorised Signatory

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Job No.: CQCE/BBMP/SLE/W.No.14/2017-18

28.12.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **M/s. Shri Lakshmi Enterprises,** Bangalore

Name of the work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.

Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.12.2017	28.12.2017	8.169	356.2	15.83
2	21.12.2017	28.12.2017	8.184	326.0	14.49
3	21.12.2017	28.12.2017	8.199	341.2	15.16

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Job No.: CQCE/BBMP/SLE/W.No.14/2017-18

28.12.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

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Name of the work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.

Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017

Sample ID : Cement Concrete

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.12.2017	28.12.2017	8.165	370.2	16.45
2	21.12.2017	28.12.2017	8.178	356.3	15.84
3	21.12.2017	28.12.2017	8.182	328.9	14.62

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